

... PNEUMATIC TIRE, PROCESS FOR PRODUCING THE SAME, AND RUBBER COMPOSITION FOR SEALANT

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Inventor: FUKUTOMI TAKASHI (JP); SEKIGUCHI TAKUMI (JP); NAKAKITA ISSEI (JP); NAITO MITSURU (JP); KOBAYASHI YUICHI (JP); WATANABE KOJI (JP); IKEGAMI TETSUO (JP); MAKINO SATOSHI (JP); MIYAWAKI NAOYA (JP); MIZONE TETSUYA (JP)

Applicant: YOKOHAMA RUBBER CO LTD (JP); HONDA MOTOR CO LTD (JP); FUKUTOMI TAKASHI (JP); SEKIGUCHI TAKUMI (JP); NAKAKITA ISSEI (JP); NAITO MITSURU (JP); KOBAYASHI YUICHI (JP); WATANABE KOJI (JP); IKEGAMI TETSUO (JP); MAKINO SATOSHI (JP); MIYAWAKI NAOYA (JP); MIZONE TETSUYA (JP)

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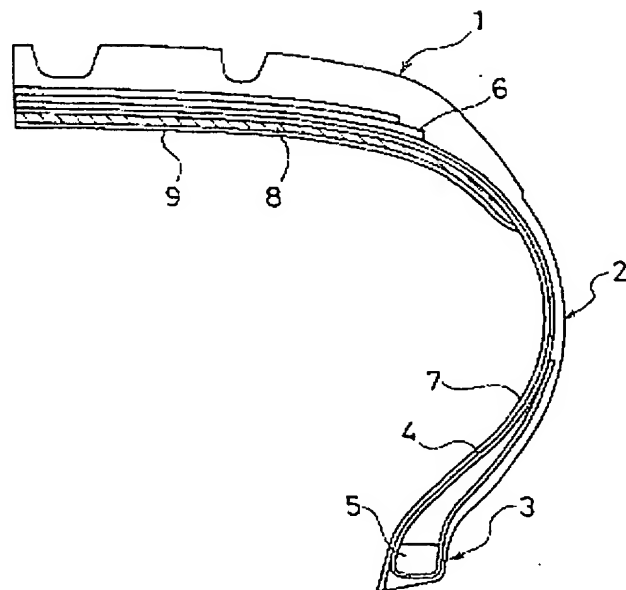
EP1435301 (A1)
WO03026906 (A1)
US2004194862 (A1)
CN1553866 (A)
CA2459845 (A1)

Cited documents:

US3981342
EP0302400
EP0102844
JP51005433B1
EP1060870
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Abstract of WO03026906

A pneumatic tire in which a sealant layer has been formed based on a decomposition reaction of polyisobutylene and which has an excellent puncture-preventing function while avoiding any inconvenience aroused by the sealant layer formation. The pneumatic tire has a sealant layer in that region of the inner surface of the tire which corresponds at least to the tread. The sealant layer is made of a pressure-sensitive adhesive sealant obtained by heating a rubber composition comprising 100 parts by weight of a rubber ingredient comprising at least 50 wt.% polyisobutadiene and 0.2 to 20 parts by weight of a peroxide. A liquid ethylene/alpha-olefin copolymer, liquid polybutadiene, or liquid polyisoprene is added as a pressure-sensitive adhesive for the sealant layer in an amount of 5 to 50 parts by weight.



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